Line up

HA790 55" 46"(China, HK only) 40"(China,HK only)

- 3D
- Smart Hub / Smart Widget solution compatibility
- Soft AP
- AllShare (DLNA)
- Slim LED
- REACH & SIRCH
- Built-in Wi-fi
- Energy efficiency
- Multi-code remote control
- Soundbar compatibility

HA690 46" / 40" / 32"

- Smart Hub / Smart Widget solution compatibility
- Soft AP
- AllShare (DLNA)
- Slim LED
- REACH & SIRCH
- Built-in Wi-fi
- Swivel stand 20°/60°/90°
- Multi-code remote control
- Soundbar compatibility

To learn more about Samsung Hospitality Displays, please visit www.samsung.com/hospitality

Samsung Electronics Co., Ltd. Head Office (Suwon, Korea) 416, Maetan-3 Dong, Yeongtong-Gu, Suwon City, Gyunggi-Do, 443-742, Korea

The innovative LED technology with Samsung Smart Widget Solution

The Samsung LED Series 79/69 has raised the standard for premium Hospitality Displays. Combining the latest in LED technology with an elegant eye-catching design, it will become the focal point of your rooms.

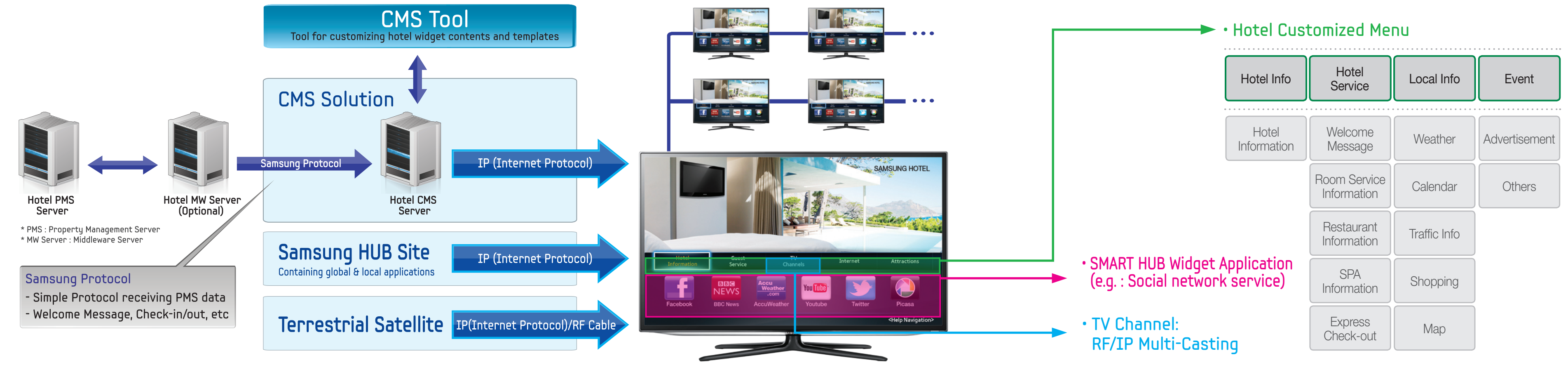
With the image enhancing Slim LED technology and the latest in 3D imaging technology, the Series 79 delivers the highest image quality while providing your guests with an immersive 3D entertainment experience. Smart Hub and Smart Widget solution offer your guests an extra level of engagement and flexibility.

Series 79 69

Customised solutions with Samsung Smart Widget

The Samsung Smart Widget Solution provides you with the ability to deliver customized content to your guests via the TV screen providing improved customer satisfaction and increased repeat business:

- The set top box to enable premium interactive services and remote TV control is integrated with the unit so there is no need to install and maintain an external STB – saving you money.
- Our CMS (Content Management Solution) is easy-to-use, enabling you to effortlessly select templates, edit text, images and video clips to compose the content you wish to provide. It supports a highly flexible and sophisticated UI allowing you to deliver a hotel specific or customised guest experience.
- Our user interface is highly flexible allowing you to provide a customised channel list, welcome message or instant message per guest or group of guests.
- Through the CMS you can edit multicast channel and update TV firmware
- Your guests can experience a wide variety of web based applications through the Samsung Smart Hub Smart TV platform such as social networking and entertainment packages making them truly feel at home. The Smart Widget Solution is good news for your guests and good news for your business thanks to the ability to deliver a better guest experience while achieving the lowest total cost of ownership.


CMS Tool
Tool for customizing hotel widget contents and templates
CMS Solution
Hotel PMS Server
Hotel MW Server (Optional)
Samsung Protocol
Hotel CMS Server
IP (Internet Protocol)
Samsung HUB Site
Containing global & local applications
IP (Internet Protocol)
Terrestrial Satellite
IP(Internet Protocol)/RF Cable
• Hotel Customized Menu
Hotel Info
Hotel Service
Local Info
Event
Hotel Information
Welcome Message
Weather
Advertisement
Room Service Information
Calendar
Others
Restaurant Information
Traffic Info
SPA Information
Shopping
Express Check-out
Map
• SMART HUB Widget Application (e.g. : Social network service)
• TV Channel: RF/IP Multi-Casting

* PMS : Property Management Server
* MW Server : Middleware Server

Samsung Protocol
- Simple Protocol receiving PMS data
- Welcome Message, Check-in/out, etc

REACH (Remote Enhanced Active Control for Hospitality)

REACH is the Samsung Hospitality Display's integrated solution. It provides a simple user interface and editing tool that allows content such as EPG (program guide), property logo, hotel information and images to be updated either remotely through the advanced SIRCH device or through USB cloning on a room by room basis. Therefore, without installing IP infra, it is possible to use this solution through the existing coax cable, without the requirement to install a separate STB - saving you money.

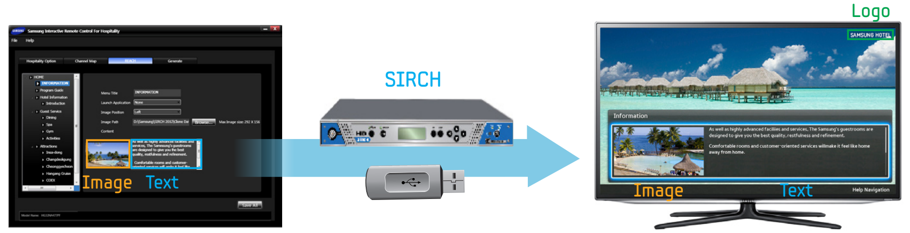
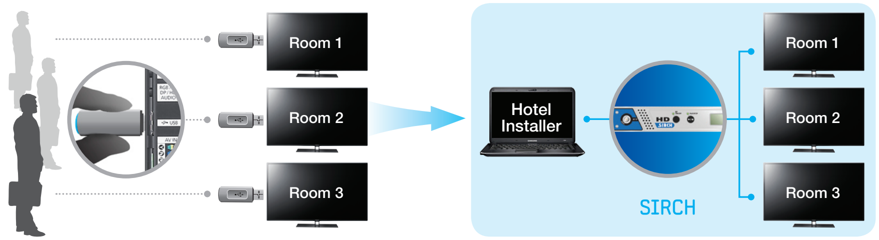


Image
Text
SIRCH
Logo
Image
Text

SIRCH (Samsung Interactive Remote Control for Hospitality)

Every manager or owner of a substantially sized hotel wants to manage their estate of TVs without visiting every room and adjusting every set individually. Our intelligent SIRCH (Samsung Interactive Remote Control for Hospitality) solution can make your life so much easier by managing your fleet of displays from one central location via air broadcast. You can configure settings, like setting up initial and maximum volumes as well as editing and updating channel lists universally and remotely.

Important firmware upgrades can also be made the same way, eliminating interruption or service limitation, and providing a better experience for your guests. The advantages to you are varied. Remote control and management significantly reduces the cost of manually updating each set, saving time, resource, and a lot of legwork.


Room 1
Room 2
Room 3
Hotel Installer
SIRCH
Room 1
Room 2
Room 3

Stay connected with SoftAP

SoftAP is short for Software enabled Access Point. This "virtual" Wi-Fi feature is enabled by intelligent software that creates a wireless hotspot - or portable hotspot - that other wireless devices in the vicinity can jump onto and use.

Samsung Hospitality Display supports Soft AP so you can set up a wireless IP environment and provide internet service without installing an access point providing further cost savings. Guests can easily connect personal devices to the TV and share content seamlessly leading to an improved user experience.

Increased wireless connectivity through AllShare

Through Samsung Hospitality Displays with Allshare, powered by DLNA, content including movies, photos and music in DLNA enabled personal devices can be seamlessly shared between the device and the TV, even wirelessly. That means personal content can be enjoyed on the vivid larger screen, helping to enhance the overall entertainment experience.

Full HD 3D Experience

Cutting edge TV technology with Samsung Hospitality Displays. It's a TV that will satisfy guests looking for the best picture quality, along with an utterly absorbing 3D viewing experience. And because Samsung is at the forefront of 3D technology, viewers will experience the future of home entertainment from the comfort of their room.

Available in various screen sizes, Samsung's Hospitality Displays produce full HD 3D images that are amazingly realistic and bursting with vivid colour. We achieve the very highest standard in 3D imaging through our intuitive 3D HyperReal Engine. This technology controls the colour, contrast, 3D effects and motion for mind-blowing results. Images are so life-like and crystal-clear that they ensure that the viewing experience is not only captivating, but also comfortable. Enjoying 2D images in 3D is a brilliant reality with Samsung Hospitality Displays. At the push of a button Samsung 3D Converter transforms your favourite TV programmes or movies with amazing 3D-depth. It will reinvent your favourite 2D content.

* 3D feature is only available for Series 79.

Slim LED

Superior TVs in your rooms can provide a valuable part of a quality hotel experience. With the eye-catching yet elegant design of our slim LED Hospitality Displays, you can elevate your guest's viewing pleasure like never before. Created specifically for premium hotels, the sophisticated design of our TVs will become the focal point of your rooms.

Low Power
50%
1.2"

Energy Saving of up to 50%

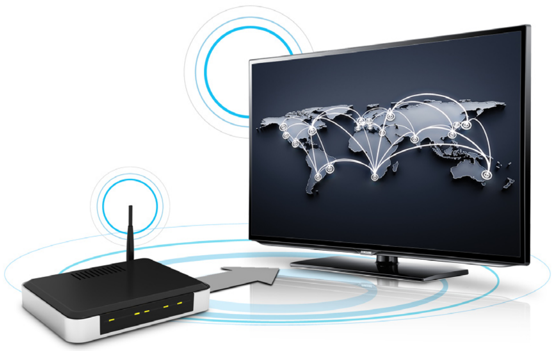
Samsung's range of energy-efficient LED TVs is setting the standard when it comes to saving energy and reducing costs. Samsung Hospitality Displays are a cost effective business solution due to their energy-efficient features and ability to decrease maintenance and management oversight.

Our Hospitality Displays offer a number of energy efficient advantages that are designed to lower power usage and your overall energy bill. Samsung LED technology cuts energy consumption by nearly 50% compared with Energy STAR 4.0. This means a 56" Samsung LED TV consumes the same amount of energy as a conventional 32" LCD TV. What's more, LED TVs from Samsung are durable, offering a long lifetime without loss of picture quality.

Samsung Displays are also built with less harmful materials, so that the manufacturing and recycling processes are much more efficient and friendlier to the environment.

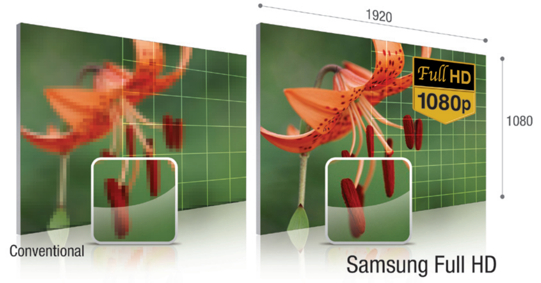
Built in Wi-Fi

With Wi-Fi embedded in Samsung Hospitality Displays you don't need a LAN cable for internet service and you can offer your guests an extra level of engagement and flexibility.



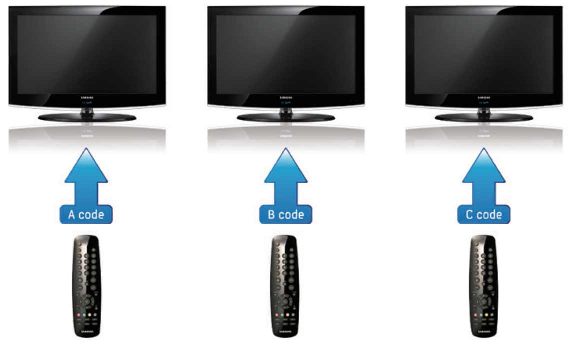
Full HD picture

Bring the pin-sharp picture quality of high-definition to every guest. With Samsung's Full HD Hospitality Displays every viewer can experience the natural beauty of reality. With twice the resolution of standard HD TVs, Full HD Samsung Hospitality Displays deliver images that defy your mind. The rich, vivid textures of full HD images invite your guests to enjoy a viewing experience that redefines reality, and leaves them with a positive impression of your brand.



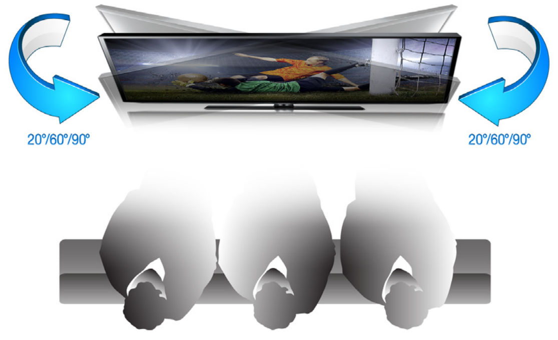
Multi-code remote up to 10 TVs

With the Samsung Hospitality Display TV's multi-code remote up to 10 TVs can be controlled individually in the same room. For application in gym and hospital environments this means guests can enjoy watching TV without annoying interference from other remote signals.



Swivel stand with optional stops

Samsung Hospitality Displays pedestal stand rotates 90 degrees in both directions with optional 20, 60 and 90 degree stops so wherever in the room your guests are they should have an excellent view of their TV.



Soundbar Compatibility

Samsung Hospitality Displays enable Soundbar compatibility by supporting HDMI-CEC. By connecting the Soundbar to the Samsung Hospitality Display with a HDMI cable the TV audio settings and menu lock feature are automatically applied, so you don't need to set up the Soundbar separately and you can also prevent guests from changing the settings. With one single remote, guests can control both TV and Soundbar simultaneously. The Samsung wall-mountable Soundbar allows you to offer your guests a full 3D surround sound experience through one easy to install device that fits into the most prestigious environment and adds a touch of elegance to your rooms.

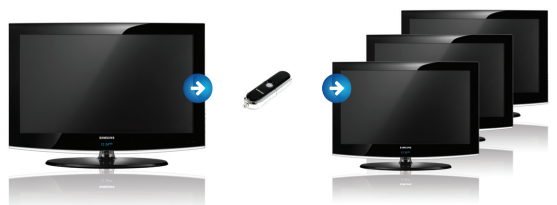
Management solution

- Easy Installation and Setup

Samsung Hospitality Displays include easy-to-follow, step-by-step onscreen instructions that guide you through the entire installation process.

- USB cloning (for quick TV setting & upgrade)

To help you work more efficiently, the innovative USB Cloning feature allows you to easily customise and then copy settings such as channels, picture, volume and logo display across your entire TV estate, saving you time from adjusting the settings on each individual box.


Setting A

Setting A

- Channel Manager

Easily manage the channel mix and arrangement of both analogue and digital channels for each Samsung Hospitality Display regardless of the system. Channel mapping allows you to rename and reorder channels to your preference.

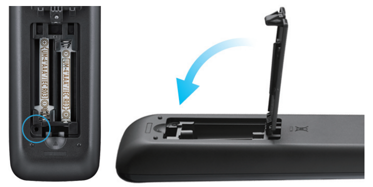
- Welcome Message and logo display

Generate awareness and enhance your brand image through your logo display and welcome message to all guests. This can be displayed for an adjustable period of 3-7 seconds.

Security solution

- Anti-theft Battery Cover

Replacing stolen batteries can become costly over time that's why Samsung Hospitality Display remotes were designed with a special battery cover that is screwed on.


Hole for screw in the body of the controller

- Fire Resistant Casing

To help prevent fire damage to your Hospitality TV estate the casings for Samsung Hospitality Displays use a flame retardant material that is able to withstand extremely high temperatures and is also non-flammable to prevent any fire from spreading

Energy efficiency solution

- Energy saving mode

With Samsung's Energy Saving Mode you can select from three predefined optimised settings that control the amount of energy the TVs use.

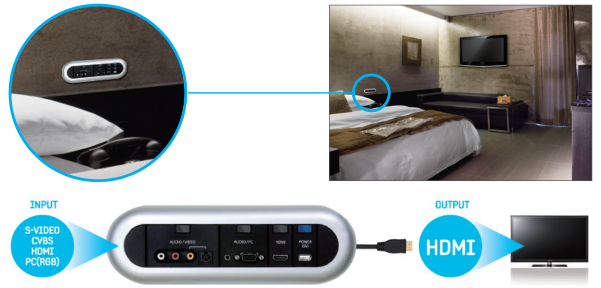
- Music mode

When a guest has connected an external device to the Samsung Hospitality Display to play music the panel backlight can be turned off thus decreasing the power consumption of the unit when in music mode.

Guest convenience

- Remote Jack Pack Compatible

Through the Jack Pack your guests can connect and play various electronic devices from laptops to cameras to the TV.



- Headphone Output and Headphone ID

Samsung Hospitality Displays have a headphone socket to plug headphones in directly and the Headphone ID can detect the connected headphones to a bed or table in the same room. In a hotel or hospital environment you can extend the headphone cable without any hassle.

- External Speaker Output

With the Samsung Hospitality Display, you can connect the sound to other parts of the room or for example to a bathroom speaker, so your guests can hear the TV wherever they are.

- Auto sensing input

Auto Sensing enables the Samsung Hospitality Display to automatically detect any compatible digital device that is connected to the TV via HDMI or USB without the user needing to adjust the mode.

- Multimedia Connectivity – USB 2.0

Guests can enjoy their own movies, music and images by simply plugging their USB into the Samsung Hospitality Display with no format limitation.

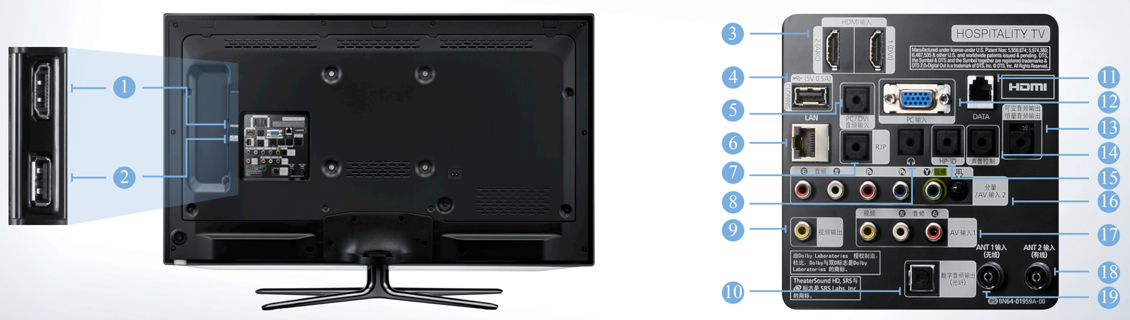
Interfaces / Dimension

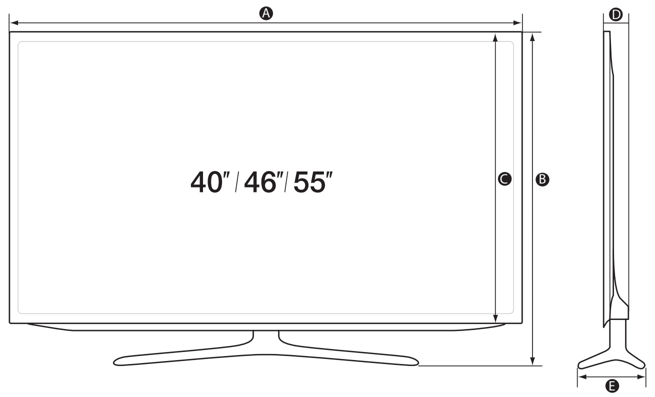
HA790 55"/46"/40" (China)

- 3D
- Smart Hub / Smart Widget solution compatibility
- Soft AP
- AllShare (DLNA)
- Slim LED
- Built-in Wi-fi
- Energy efficiency
- Multi-code remote control
- Soundbar compatibility

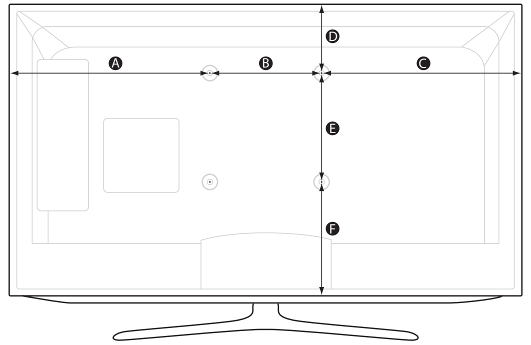
Connectors

1. HDMI IN 3
2. USB
3. HDMI IN - 1(DVI) / 2
4. USB
5. PC/DVI AUDIO IN
6. RJ45(LAN)
7. RJP
8. PC/DVI AUDIO IN
9. VIDEO OUT
10. DIGITAL AUDIOUT(OPTICAL)
11. RJ12
12. PC IN
13. VARIABLE AUDIO OUT
14. VARIABLE AUDIO OUT VOLUME CONTROL
15. HEADPHONE ID
16. COMPONENT / AV IN2
17. AV IN 1
18. ANT2 IN(CABLE)
19. ANT1 IN(AIR)





	40"	46"	55"
Ⓐ	40"(926.8mm)	46"(1,062.2mm)	55"(1,252.8mm)
Ⓑ	40"(619.1mm)	46"(700.8mm)	55"(807.6mm)
Ⓒ	40"(553.4mm)	46"(629.8mm)	55"(736.6mm)
Ⓓ	40"(46.9mm)	46"(46.9mm)	55"(46.9mm)
Ⓔ	40"(241.3mm)	46"(276.6mm)	55"(276.6mm)



	40"	46"	55"
Ⓐ	40"(363.4mm)	46"(331.1mm)	55"(426.4mm)
Ⓑ	40"(200mm)	46"(400mm)	55"(400mm)
Ⓒ	40"(363.4mm)	46"(331.1mm)	55"(426.4mm)
Ⓓ	40"(129.8mm)	46"(97.2mm)	55"(188.7mm)
Ⓔ	40"(200mm)	46"(400mm)	55"(400mm)
Ⓕ	40"(223.6mm)	46"(132.6mm)	55"(147.9mm)

Specification

Model		HA790
Video	Screen Size	55" / 46" / 40"
	HD/FHD	FHD
	Resolution	1920 x 1080
	Response Time	55": 4 ms / 46": 5.5 ms / 40": 5.5 ms
	Viewing angle (H/V)	55": 176/176, 46": 178/178, 40": 178/178
	Backlight	LED
	Brightness	55" : 350 cd/m2 / 46": 350 cd/m2 / 40": 330 cd/m2
Audio	Output	10W x 2
	Dolby	Dolby Digital Plus / Dolby Pulse
	Surround(SRS)	SRS TheaterSound HD
	Bathroom Speaker Out	4W Mono
Feature	Samsung SMART TV	Yes
	Samsung 3D (2D ->3D)	Yes
	Allshare(Powered by DLNA)	Yes
	Soft AP	Yes
	Wireless LAN Builit-in	Yes
	ConnectShare™ (USB2.0)	Movie
	Anynet+ (HDMI-CEC)	Yes
	Auto Channel Search	Yes
	Auto Power Off (Auto TV On)	Yes
	Auto Volume Leveller	Yes
	Caption(Subtitle)	Yes
	Clock & On/Off Timer	Yes
	Picture-In-Picture	1 Tuner PIP
	Sleep Timer	Yes
Input & Output	RF In (Terrestrial/Cable input)	1
	RJ12 For External Control	1
	RJ45	1
	HDMI (Side/Rear)	1/2
	USB (Side/Rear)	1/1
	Component In(Y/Pb/Pr) (Side/Rear)	0/1 (Common Use for Component Y)
	Composite In(AV) (Side/Rear)	0/2
	Ethernet (LAN)	1
	Headphone	1
	Headphone_ID	1
	Digital Audio Out(Optical)	1
	Variable Audio Out	1
	VOL-CTRL	1
	RJP jack (Remote Jack Pack)	1
	PC In (D-sub)	1
	PC Audio In (Mini Jack)	1
	DVI Audio In (Mini Jack)	1 (Common Use for PC Audio in)
	Video Out	1

Model		HA790
Hospitality Feature	Smart Widget Solution	Yes
	Web Browser	Yes
	Hospitality Plug & Play (Easy Setup)	Yes
	RJ12 / IR pass through	Yes
	Music Mode (Input: PC/AV/Component)	Yes
	Power On Status Setting (Keycard/Master Power off)	Yes
	Jack Pack Compatiblity	Yes
	USB Cloning	Yes
	Bathroom Speaker output	Yes
	Hotel Channel List	Yes
	Logo Display with Time out Setting (BMP/Movie)	Yes
	Welcome Message	Yes
	Auto Source mode	Yes
	Multi Code Remote	Yes
	Alarm Key	Yes
	Mixed channel list(DVB T/C/S2, Analog)	Yes
	Channel Setup On/Off	Yes
	Soundbar Compatibility	Yes
Design	Slim Type	Slim
	Swivel (Left/Right)	20
Dimension	Weight (Set) With Stand (Kg)	55": 18 / 46": 14.7 / 40": 11.6
	Weight (Set) Without Stand (Kg)	55": 16.2 / 46": 12.9 / 40": 10.3
	Dimensions (WxHxD)mm With Stand	55": 1252.8x807.6x276.6 / 46": 1062.2x700.8x276.6 / 40": 926.8x619.1x241.3
	Dimensions (WxHxD)mm Without Stand	55": 1252.8x736.6x46.9 / 46": 1062.2x629.8x46.9 / 40": 926.8x553.4x46.9
VESA	Dimensions (mm)	55": 400x400 / 46": 400x400 / 40": 200x200
	Screw Size	M8
Accessory	3D Active Glasses (Included)	Yes
	Remote Control	TM1240
	Batteries(for Remote Control)	Yes
	RJ 12 Cable	Yes
	Power Cable	Yes
	Installation manual (Quick guide)	Yes
System	DTV Reception	DTMB
	Analog Tuner	Yes
Power	Power Supply	AC100-240V 50/60Hz
	Power Consumption (Rated) (Watts)	55": 144W / 46": 121W / 40": 121W
	Power Consumption (Stand-by) (Watts)	Under 0.5W
	Power Consumption (Typical)	55": 85W / 46": 75W / 40": 70W
Energy Saving Mode Power Consumption (Watts)	High	55": 34W / 46": 32W / 40": 31W
	Medium	55": 44W / 46": 41W / 40": 39W
	Low	55": 55W / 46": 50W / 40": 47W
Security	Kensington Lock	Yes

* Please visit the website to verify detail specifications

HA790 55" 46" 40" (HongKong)

Connectors

1. HDMI IN 3
2. USB
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4. USB
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7. RJP
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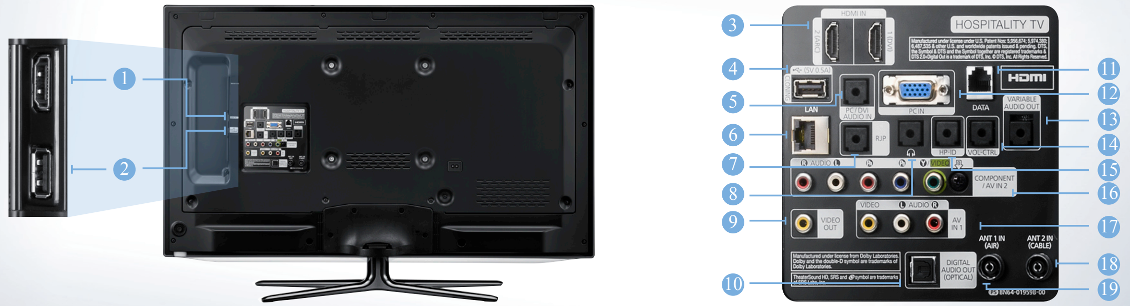

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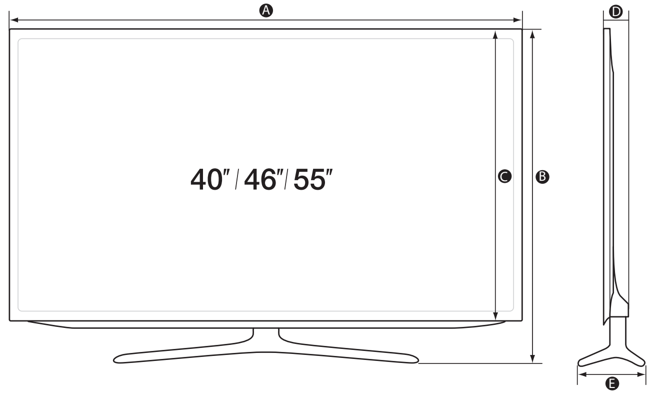

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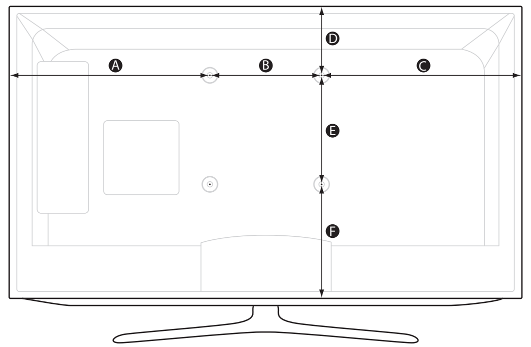

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	Smart Phone Remote Support	Yes
	Allshare(Powered by DLNA)	Yes
	Soft AP	Yes
	Wireless LAN Builit-in	Yes
	ConnectShare™ (USB2.0)	Movie
	Anynet+ (HDMI-CEC)	Yes
	Auto Channel Search	Yes
	Auto Power Off (Auto TV On)	Yes
	Auto Volume Leveller	Yes
	Caption(Subtitle)	Yes
	Clock & On/Off Timer	Yes
	Picture-In-Picture	1 Tuner PIP
	Sleep Timer	Yes
Input & Output	RF In (Terrestrial/Cable input)	1
	RJ12 For External Control	1
	RJ45	1
	HDMI (Side/Rear)	1/2
	USB (Side/Rear)	1/1
	Component In(Y/Pb/Pr) (Side/Rear)	0/1 (Common Use for Composite Y)
	Composite In(AV) (Side/Rear)	0/2
	Ethernet(LAN)	1
	Headphone	1
	Headphone_ID	1
	Digital Audio Out(Optical)	1
	Variable Audio Out	1
	RJP jack (Remote Jack Pack)	1
	PC In (D-sub)	1
	PC Audio In (Mini Jack)	1
	DVI Audio In (Mini Jack)	1 (Common Use for PC Audio in)
	Video Out	1

Model		HA790
Hospitality Feature	Smart Widget Solution	Yes
	Web Browser	Yes
	REACH	Yes
	Hospitality Plug & Play (Easy Setup)	Yes
	RJ12 / IR pass through	Yes
	Music Mode (Input: PC/AV/Component)	Yes
	Power On Status Setting (Keycard/Master Power off)	Yes
	Jack Pack Compatiblity	Yes
	USB Cloning	Yes
	Bathroom Speaker output	Yes
	Hotel Channel List	Yes
	Logo Display with Time out Setting (BMP/Movie)	Yes
	Welcome Message	Yes
	Auto Source mode	Yes
	Multi Code Remote	Yes
	Screwed Remote Battery Cover	Yes
	Alarm Key	Yes
	Mixed channel list(DVB T/C/S2, Analog)	Yes
	Channel Setup On/Off	Yes
	Soundbar Compatibility	Yes
Design	Slim Type	Slim
	Swivel (Left/Right)	20
Dimension	Weight (Set) With Stand (Kg)	55": 18 / 46": 14.7 / 40": 11.6
	Weight (Set) Without Stand (Kg)	55": 16.2 / 46": 12.9 / 40": 10.3
	Dimensions (WxHxD)mm With Stand	55": 1252.8x807.6x276.6 / 46": 1062.2x700.8x276.6 / 40": 926.8x619.1x241.3
	Dimensions (WxHxD)mm Without Stand	55": 1252.8x736.6x46.9 / 46": 1062.2x629.8x46.9 / 40": 926.8x553.4x46.9
VESA	Dimensions (mm)	55": 400x400 / 46": 400x400 / 40": 200x200
	Screw Size	M8
Accessory	3D Active Glasses (Included)	Yes
	Remote Control	TM1050
	Batteries(for Remote Control)	Yes
	RJ 12 Cable	Yes
	Power Cable	Yes
	Installation manual (Quick guide)	Yes
System	DTV Reception	DTMB
	Analog Tuner	Yes
Power	Power Supply	AC100-240V 50/60Hz
	Power Consumption (Rated) (Watts)	55": 139W / 46": 121W / 40": 116W
	Power Consumption (Stand-by) (Watts)	Under 0.3W
	Power Consumption (Typical)	55": 85W / 46": 75W / 40": 70W
Energy Saving Mode Power Consumption (Watts)	High	55": 34W / 46": 32W / 40": 31W
	Medium	55": 44W / 46": 41W / 40": 39W
	Low	55": 55W / 46": 50W / 40": 47W
Security	Kensington Lock	Yes

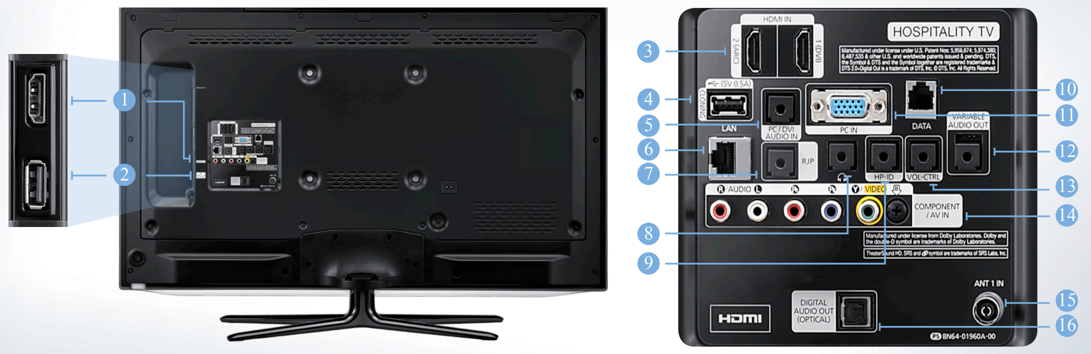
* Please visit the website to verify detail specifications

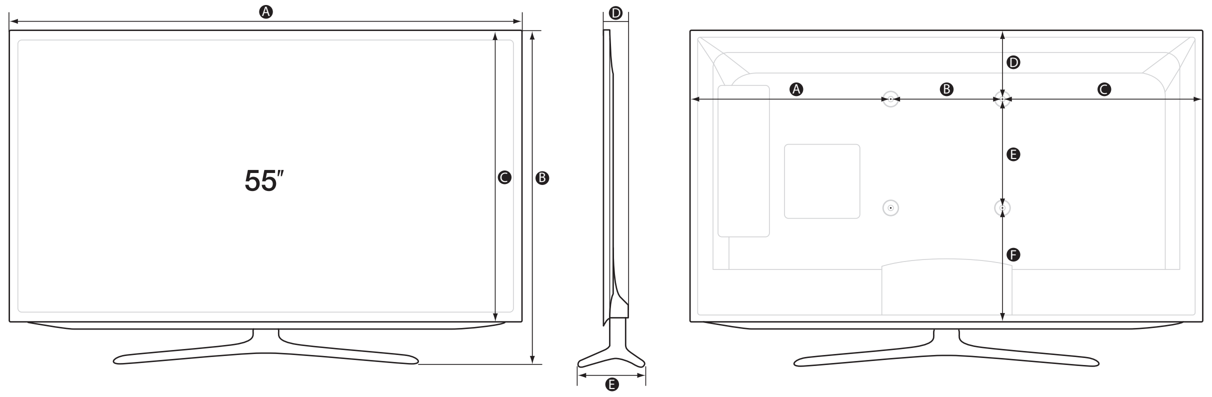
HA790 55" (AU/NZ/SG/India)

- 3D
- Smart Hub / Smart Widget solution compatibility
- Soft AP
- AllShare (DLNA)
- Slim LED
- REACH & SIRCH
- Built-in Wi-fi
- Energy efficiency
- Multi-code remote control
- Soundbar compatibility

Connectors

1. HDMI IN 3
2. USB
3. HDMI IN - 2(ARC)/1(DVI)
4. USB
5. PC/DVI AUDIO IN
6. RJ45(LAN)
7. RJP
8. HEADPHONE OUT
9. HEADPHONE ID
10. RJ12
11. PC IN
12. VARIABLE AUDIO OUT
13. VARIABLE AUDIO OUT VOLUME CONTROL
14. CONPONENT / AV IN
15. ANT IN
16. DIGITAL AUDIO OUT(OPTICAL)





Ⓐ | 55"(1,252.8mm) Ⓑ | 55"(807.6mm) Ⓒ | 55"(736.6mm)

Ⓓ | 55"(46.9mm)

Ⓔ | 55"(276.6mm)

Ⓐ | 55"(426.4mm) Ⓑ | 55"(400mm) Ⓒ | 55"(426.4mm)

Ⓓ | 55"(188.7mm) Ⓔ | 55"(400mm) Ⓕ | 55"(147.9mm)

Specification

Model		HA790
Video	Screen Size	55"
	HD/FHD	FHD
	Resolution	1920 x 1080
	Response Time	4ms
	Viewing angle (H/V)	176/176
	Backlight	LED
	Brightness	350cd/m2
Audio	Output	10W x 2
	Dolby	Dolby Digital Plus / Dolby Pulse
	Surround(SRS)	SRS TheaterSound HD
	dts 2.0 + Digital Out	Yes
	Speaker Type	Down Firing + Full Range
	Bathroom Speaker Out	4W Mono
Feature	Samsung SMART TV	Yes
	Samsung 3D (2D ->3D)	Yes
	Allshare(Powered by DLNA)	Yes
	Soft AP	Yes
	Wireless LAN Builit-in	Yes
	Teletext	Yes
	EPG	Yes
	ConnectShare™ (USB2.0)	Movie
	Anynet+ (HDMI-CEC)	Yes
	Auto Channel Search	Yes
	Auto Power Off (Auto TV On)	Yes
	Auto Volume Leveller	Yes
	Caption(Subtitle)	Yes
	Clock & On/Off Timer	Yes
	Picture-In-Picture	1 Tuner PIP
	Sleep Timer	Yes
Input & Output	RF In (Terrestrial/Cable input)	1
	RJ12 For External Control	1
	RJ45	1
	HDMI (Side/Rear)	1/2
	USB (Side/Rear)	1/1
	Component In(Y/Pb/Pr) (Side/Rear)	0/1
	Composite In(AV) (Side/Rear)	0/1 (Common Use for Component Y)
	Headphone	1
	Headphone_ID	1
	Digital Audio Out(Optical)	1
	Variable Audio Out	1
	VOL-CTRL	1
	RJP jack (Remote Jack Pack)	1
	PC In (D-sub)	1

Model		HA790
	PC Audio In (Mini Jack)	1
	DVI Audio In (Mini Jack)	1 (Common Use forPC Audio In)
Hospitality Feature	Smart Widget Solution	Yes
	Web Browser	Yes
	REACH	Yes
	SIRCH Compatibility	Yes
	Hospitality Plug & Play (Easy Setup)	Yes
	RJ12 / IR pass through	Yes
	Music Mode (Input: PC/AV/Component)	Yes
	Power On Status Setting (Keycard/Master Power off)	Yes
	Jack Pack Compatiblity	Yes
	USB Cloning	Yes
	Bathroom Speaker output	Yes
	Hotel Channel List	Yes
	Logo Display with Time out Setting (BMP/Movie)	Yes
	Welcome Message	Yes
	Auto Source mode	Yes
	Multi Code Remote	Yes
	Screwed Remote Battery Cover	Yes
	Alarm Key	Yes
	Mixed channel list(DVB T/C/S2, Analog)	Yes
	Soundbar Compatibility	Yes
Design	Slim Type	Slim
	Swivel (Left/Right)	20
Dimension	Weight (Set) With Stand (Kg)	18
	Weight (Set) Without Stand (Kg)	16.2
	Dimensions (WxHxD)mm With Stand	1252.8x807.6x276.6
	Dimensions (WxHxD)mm Without Stand	1252.8x736.6x46.9
VESA	Dimensions (mm)	400x400
	Screw Size	M8
Accessory	Remote Control	TM1050
	Batteries(for Remote Control)	Yes
	RJ 12 Cable	Yes
	Power Cable	Yes
	Installation manual (Quick guide)	Yes
System	DTV Reception	DVB-T
Power	Power Supply	AC220-240V 50/60Hz(AU,NZ,SG) / AC100-240V 50/60Hz(India)
	Power Consumption (Rated) (Watts)	139W
	Power Consumption (Stand-by) (Watts)	Under 0.5W
	Power Consumption (Typical)	78W
Energy Saving Mode Power Consumption (Watts)	High	40W
	Medium	43W
	Low	52W
Security	Kensington Lock	Yes

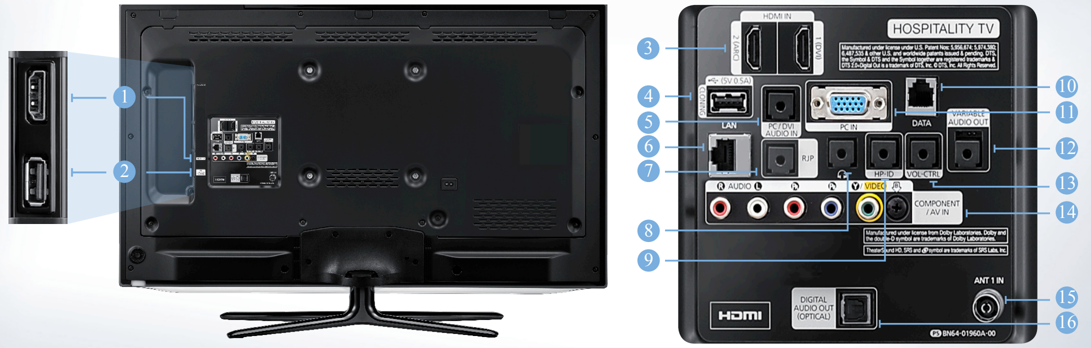
* Please visit the website to verify detail specifications

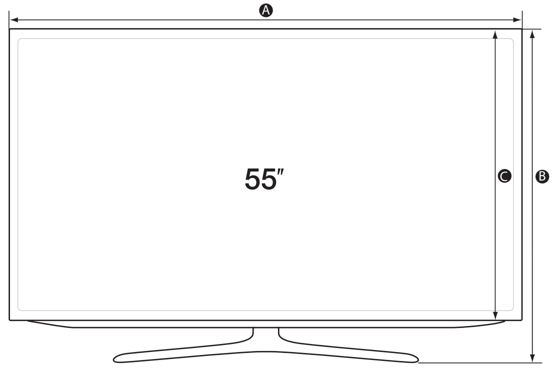
Interfaces / Dimension

HA790 55" (S.E.Asia)

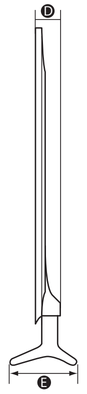
Connectors

1. HDMI IN 3
2. USB
3. HDMI IN - 2(ARC)/1(DVI)
4. USB
5. PC/DVI AUDIO IN
6. RJ45(LAN)
7. RJP
8. HEADPHONE OUT
9. HEADPHONE ID
10. RJ12
11. PC IN
12. VARIABLE AUDIO OUT
13. VARIABLE AUDIO OUT VOLUME CONTROL
14. CONPONENT / AV IN
15. ANT IN
16. DIGITAL AUDIO OUT(OPTICAL)



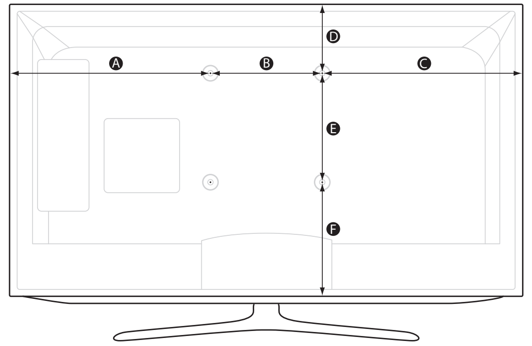


Ⓐ | 55"(1,252.8mm) Ⓑ | 55"(807.6mm) Ⓒ | 55"(736.6mm)



Ⓓ | 55"(46.9mm)

Ⓔ | 55"(276.6mm)



Ⓐ | 55"(426.4mm) Ⓑ | 55"(400mm) Ⓒ | 55"(426.4mm)

Ⓓ | 55"(188.7mm) Ⓔ | 55"(400mm) Ⓕ | 55"(147.9mm)

- 3D
- Smart Hub / Smart Widget solution compatibility
- Soft AP
- AllShare (DLNA)
- Slim LED
- Built-in Wi-fi
- Energy efficiency
- Multi-code remote control
- Soundbar compatibility

Specification

Model		HA790
Video	Screen Size	55"
	HD/FHD	FHD
	Resolution	1920 x 1080
	Response Time	4ms
	Viewing angle (H/V)	176/176
	Backlight	LED
	Brightness	350cd/m2
Audio	Output	10W x 2
	Dolby	Dolby Digital Plus / Dolby Pulse
	Surround(SRS)	SRS TheaterSound HD
	Bathroom Speaker Out	4w Mono
Feature	Samsung SMART TV	Yes
	Allshare(Powered by DLNA)	Yes
	Soft AP	Yes
	Wireless LAN Builit-in	Yes
	Digital Noise Filter	Yes
	Teletext	Yes
	ConnectShare™ (USB2.0)	Movie
	Anynet+ (HDMI-CEC)	Yes
	Auto Channel Search	Yes
	Auto Power Off (Auto TV On)	Yes
	Auto Volume Leveller	Yes
	Caption(Subtitle)	Yes
	Clock & On/Off Timer	Yes
	Picture-In-Picture	1 Tuner PIP
	Sleep Timer	Yes
Input & Output	RF In (Terrestrial/Cable input)	1
	RJ12 For External Control	1
	RJ45	Yes
	HDMI (Side/Rear)	1/2
	USB (Side/Rear)	1/1
	Component In(Y/Pb/Pr) (Side/Rear)	0/1
	Composite In(AV) (Side/Rear)	0/1 (Common Use for Component Y)
	Headphone	1
	Headphone_ID	1
	Digital Audio Out(Optical)	1
	Variable Audio Out	1
	VOL-CTRL	1
	RJP jack (Remote Jack Pack)	1
	PC In (D-sub)	1
	PC Audio In (Mini Jack)	1
	DVI Audio In (Mini Jack)	1 (Common Use for PC Audio in)
Hospitality Feature	Smart Widget Solution	Yes
	Web Browser	Yes
	Hospitality Plug & Play (Easy Setup)	Yes
	RJ12 / IR pass through	Yes
	Music Mode (Input: PC/AV/Component)	Yes
	Power On Status Setting (Keycard/Master Power off)	Yes
	Jack Pack Compatiblity	Yes
	USB Cloning	Yes
	Bathroom Speaker output	Yes
	Hotel Channel List	Yes
	Logo Display with Time out Setting (BMP/Movie)	Yes
	Welcome Message	Yes
	Auto Source mode	Yes
	Multi Code Remote	Yes
	Screwed Remote Battery Cover	Yes
	Alarm Key	Yes
	Soundbar Compatibility	Yes
Design	Slim Type	Slim
	Swivel (Left/Right)	20
Dimension	Weight (Set) With Stand (Kg)	18
	Weight (Set) Without Stand (Kg)	16.2
	Dimensions (WxHxD)mm With Stand	1252.8x807.6x276.6
	Dimensions (WxHxD)mm Without Stand	1252.8x736.6x46.9
VESA	Dimensions (mm)	400x400
	Screw Size	M8
Accessory	Remote Control	TM1050
	Batteries(for Remote Control)	Yes
	RJ 12 Cable	Yes
	Power Cable	Yes
	Installation manual (Quick guide)	Yes
System	DTV Reception	Ready
	Analog Tuner	Yes
Power	Power Supply	AC100-240V 50/60Hz
	Power Consumption (Rated) (Watts)	139W
	Power Consumption (Stand-by) (Watts)	Under 0.5W
	Power Consumption (Typical)	85W
Energy Saving Mode Power Consumption (Watts)	High	34W
	Medium	44W
	Low	55W
Security	Kensington Lock	Yes

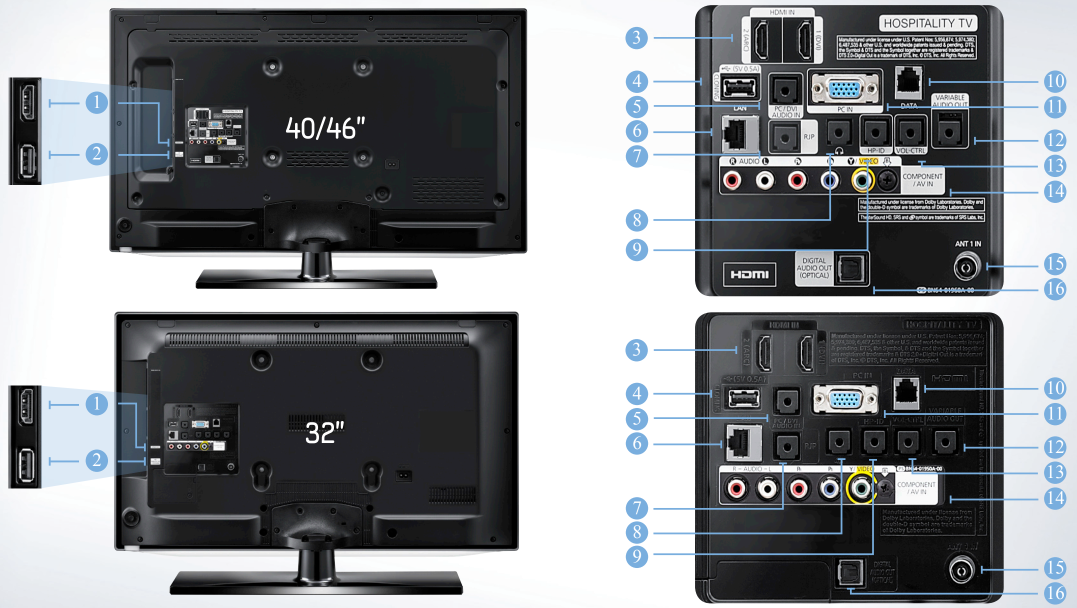
* Please visit the website to verify detail specifications

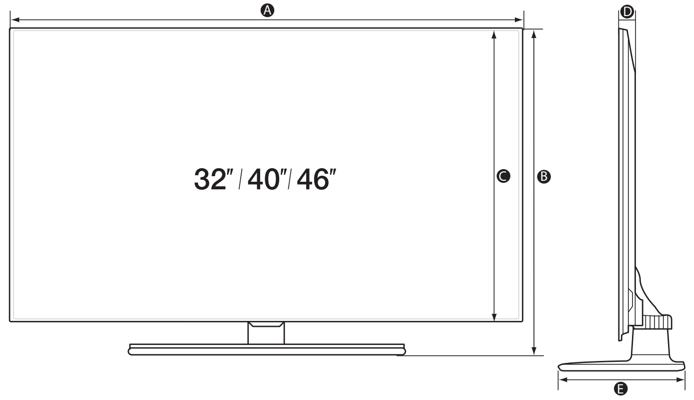
HA690 46" / 40" / 32" (AU/NZ/SG/India)

- Smart Hub / Smart Widget solution compatibility
- Soft AP
- AllShare (DLNA)
- Slim LED
- REACH & SIRCH
- Built-in Wi-fi
- Swivel stand 20°/60°/90°
- Multi-code remote control
- Soundbar compatibility

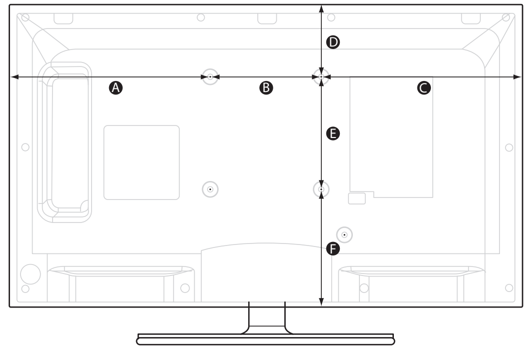
Connectors

1. HDMI IN 3
2. USB
3. HDMI IN - 2(ARC)/1(DVI)
4. USB
5. PC/DVI AUDIO IN
6. RJ45(LAN)
7. RJP
8. HEADPHONE OUT
9. HEADPHONE ID
10. RJ12
11. PC IN
12. VARIABLE AUDIO OUT
13. VARIABLE AUDIO OUT VOLUME CONTROL
14. CONPONENT / AV IN
15. ANT IN
16. DIGITAL AUDIO OUT(OPTICAL)





Ⓐ	32"(740.2mm) 40"(927.4mm) 46"(1062.8mm)			
Ⓑ	32"(684.8mm) 40"(608.4mm) 46"(503.2mm)			
Ⓒ	32"(631.1mm) 40"(554.7mm) 46"(449.3mm)			
Ⓓ	32"(46.9mm) 40"(46.9mm) 46"(46.9mm)			
Ⓔ	32"(191.7mm) 40"(227.7mm) 46"(227.7mm)			



Ⓐ	32"(270.1mm) 40"(363.7mm) 46"(331.4mm)
Ⓑ	32"(200mm) 40"(200mm) 46"(400mm)
Ⓒ	32"(270.1mm) 40"(363.7mm) 46"(331.4mm)
Ⓓ	32"(87.3mm) 40"(130.1mm) 46"(97.5mm)
Ⓔ	32"(200mm) 40"(200mm) 46"(400mm)
Ⓕ	32"(162mm) 40"(224.6mm) 46"(133.6mm)

Model		HA690
Video	Screen Size	46" / 40" / 32"
	HD/FHD	FHD
	Resolution	1920 x 1080
	Response Time	46": 5.5ms / 40": 5.5ms / 32": 8.5ms
	Viewing angle (H/V)	46": 178/178, 40": 178/178, 32": 176/176
	Backlight	LED
	Brightness	46": 330cd/m2 / 40": 350cd/m2 / 32": 330cd/m2
Audio	Output	10W x 2
	Dolby	Dolby Digital Plus / Dolby Pulse
	Surround(SRS)	SRS TheaterSound HD
	dts 2.0 + Digital Out	Yes
	Speaker Type	Down Firing + Full Range
	Bathroom Speaker Out	4W Mono
Feature	Samsung SMART TV	Yes
	Samsung 3D (2D ->3D)	No
	Allshare(Powered by DLNA)	Yes
	Soft AP	Yes
	Wireless LAN Builit-in	Yes
	Teletext	Yes
	EPG	Yes
	ConnectShare™ (USB2.0)	Movie
	Anynet+ (HDMI-CEC)	Yes
	Auto Channel Search	Yes
	Auto Power Off (Auto TV On)	Yes
	Auto Volume Leveller	Yes
	Caption(Subtitle)	Yes
	Clock & On/Off Timer	Yes
	Picture-In-Picture	1 Tuner PIP
	Sleep Timer	Yes
Input & Output	RF In (Terrestrial/Cable input)	1
	RJ12 For External Control	1
	RJ45	1
	HDMI (Side/Rear)	1/2
	USB (Side/Rear)	1/1
	Component In(Y/Pb/Pr) (Side/Rear)	0/1
	Composite In(AV) (Side/Rear)	0/1 (Common Use for Component Y)
	Headphone	1
	Headphone_ID	1
	Digital Audio Out(Optical)	1
	Variable Audio Out	1
	VOL-CTRL	1
	RJP jack (Remote Jack Pack)	1
	PC In (D-sub)	1

Model		HA690
	PC Audio In (Mini Jack)	1
	DVI Audio In (Mini Jack)	1 (Common Use forPC Audio In)
Hospitality Feature	Smart Widget Solution	Yes
	Web Browser	Yes
	REACH	Yes
	SIRCH Compatibility	Yes
	Hospitality Plug & Play (Easy Setup)	Yes
	RJ12 / IR pass through	Yes
	Music Mode (Input: PC/AV/Component)	Yes
	Power On Status Setting (Keycard/Master Power off)	Yes
	Jack Pack Compatiblity	Yes
	USB Cloning	Yes
	Bathroom Speaker output	Yes
	Hotel Channel List	Yes
	Logo Display with Time out Setting (BMP/Movie)	Yes
	Welcome Message	Yes
	Auto Source mode	Yes
	Multi Code Remote	Yes
	Screwed Remote Battery Cover	Yes
	Alarm Key	Yes
	Mixed channel list(DVB T/C/S2, Analog)	Yes
	Soundbar Compatibility	Yes
Design	Slim Type	Slim
	Swivel (Left/Right)	20/60/90
Dimension	Weight (Set) With Stand (Kg)	46": 16.1 / 40": 13.2 / 32": 8.2
	Weight (Set) Without Stand (Kg)	46": 13.18 / 40": 10.2 / 32": 6.2
	Dimensions (WxHxD)mm With Stand	46": 1062.8x684.8x227.7 / 40": 927.4x608.4x227.7 / 32": 740.2x502.7x191.7
	Dimensions (WxHxD)mm Without Stand	46": 1062.8x631.1x46.9 / 40": 927.4x554.7x46.9 / 32": 740.2x449.3x46.9
VESA	Dimensions (mm)	46": 400x400 / 40": 200x200 / 32": 200x200
	Screw Size	M8
Accessory	Remote Control	TM1050
	Batteries(for Remote Control)	Yes
	RJ 12 Cable	Yes
	Power Cable	Yes
	Installation manual (Quick guide)	Yes
System	DTV Reception	DVB-T
Power	Power Supply	AC220-240V 50/60Hz(AU,NZ,SG) / AC100-240V 50/60Hz(India)
	Power Consumption (Rated) (Watts)	46": 98W / 40": 92W / 32": 75W
	Power Consumption (Stand-by) (Watts)	Under 0.5W
	Power Consumption (Typical)	46": 61W / 40": 57W / 32": 38W
Energy Saving Mode Power Consumption (Watts)	High	46": 25W / 40": 23W / 32": 17W
	Medium	46": 32W / 40": 31W / 32": 21W
	Low	46": 39W / 40": 37W / 32": 25W
Security	Kensington Lock	Yes

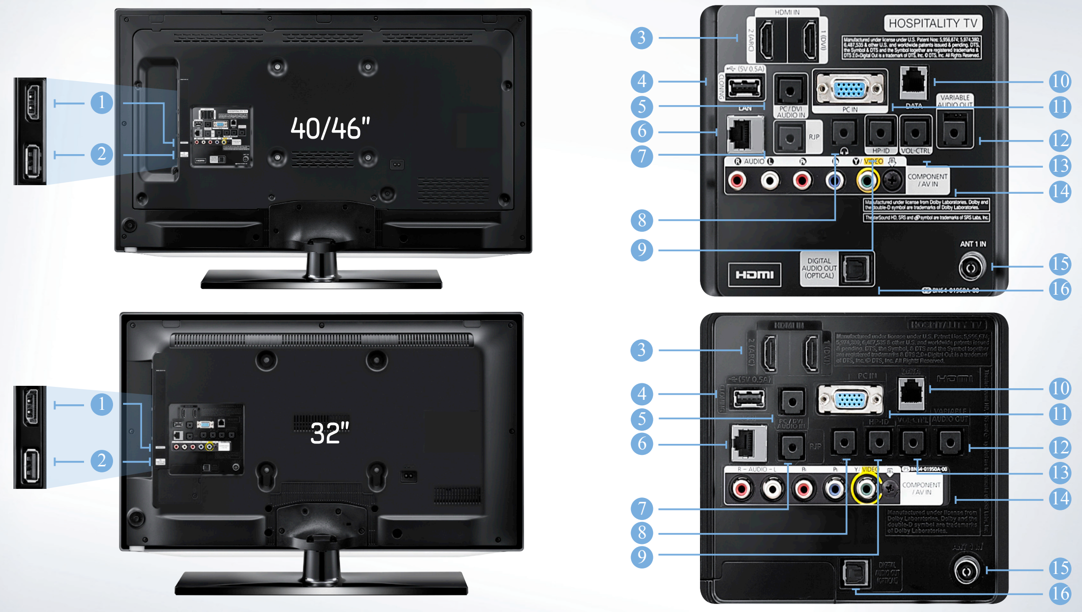
* Please visit the website to verify detail specifications

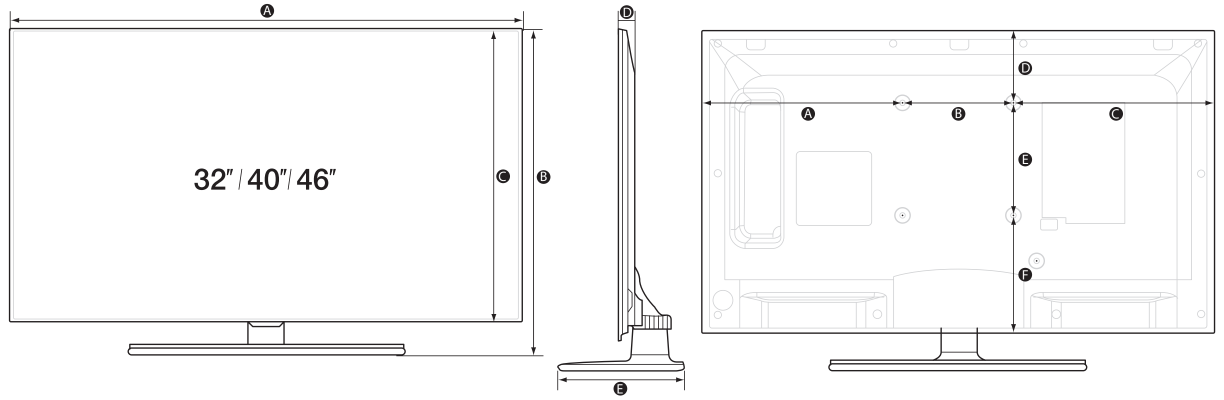
HA690 46" / 40" / 32" (S.E.Asia)

- Smart Hub / Smart Widget solution compatibility
- Soft AP
- AllShare (DLNA)
- Slim LED
- Built-in Wi-fi
- Swivel stand 20°/60°/90°
- Multi-code remote control
- Soundbar compatibility

Connectors

1. HDMI IN 3
2. USB
3. HDMI IN - 2(ARC)/1(DVI)
4. USB
5. PC/DVI AUDIO IN
6. RJ45(LAN)
7. RJP
8. HEADPHONE OUT
9. HEADPHONE ID
10. RJ12
11. PC IN
12. VARIABLE AUDIO OUT
13. VARIABLE AUDIO OUT VOLUME CONTROL
14. CONPONENT / AV IN
15. ANT IN
16. DIGITAL AUDIO OUT(OPTICAL)





A | 32"(740.2mm) 40"(927.4mm) 46"(1062.8mm)
B | 32"(684.8mm) 40"(608.4mm) 46"(503.2mm)
C | 32"(631.1mm) 40"(554.7mm) 46"(449.3mm)
D | 32"(46.9mm) 40"(46.9mm) 46"(46.9mm)
E | 32"(191.7mm) 40"(227.7mm) 46"(227.7mm)

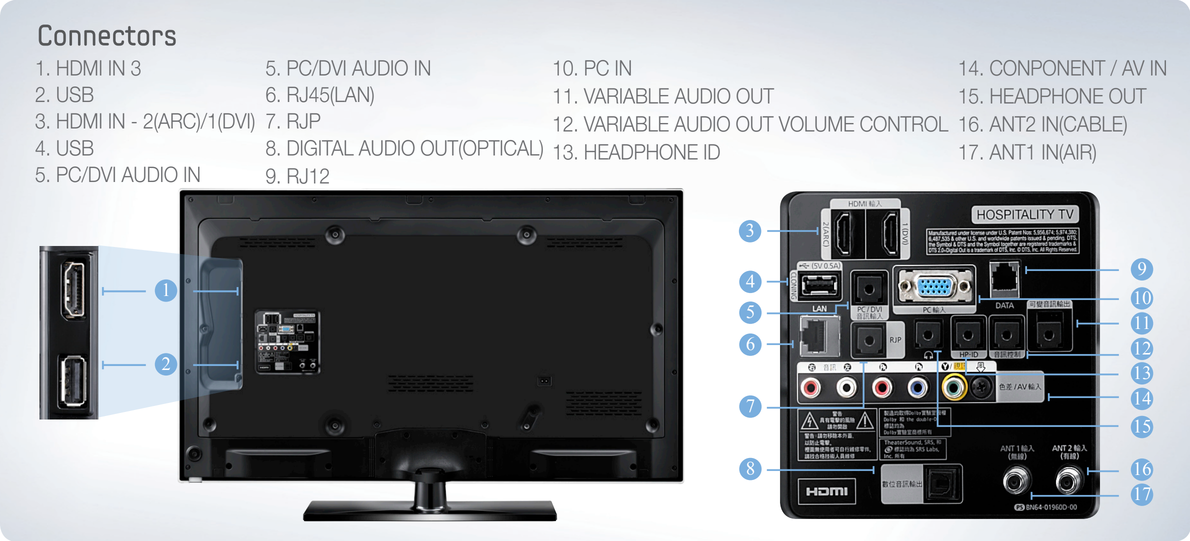
A | 32"(270.1mm) 40"(363.7mm) 46"(331.4mm)
B | 32"(200mm) 40"(200mm) 46"(400mm)
C | 32"(270.1mm) 40"(363.7mm) 46"(331.4mm)
D | 32"(87.3mm) 40"(130.1mm) 46"(97.5mm)
E | 32"(200mm) 40"(200mm) 46"(400mm)
F | 32"(162mm) 40"(224.6mm) 46"(133.6mm)

Model		HA690
Video	Screen Size	46" / 40" / 32"
	HD/FHD	FHD
	Resolution	1920 x 1080
	Response Time	46": 8ms / 40": 4ms / 32": 5.5ms
	Viewing angle (H/V)	46": 178/178, 40": 176/176, 32": 178/178
	Backlight	LED
	Brightness	46": 320cd/m2 / 40": 450cd/m2 / 32 : 310cd/m2
Audio	Output	10W x 2
	Dolby	Dolby Digital Plus / Dolby Pulse
	Surround(SRS)	SRS TheaterSound HD
	Bathroom Speaker Out	4w Mono
Feature	Samsung SMART TV	Yes
	Allshare(Powered by DLNA)	Yes
	Soft AP	Yes
	Wireless LAN Builit-in	Yes
	Digital Noise Filter	Yes
	Teletext	Yes
	ConnectShare™ (USB2.0)	Movie
	Anynet+ (HDMI-CEC)	Yes
	Auto Channel Search	Yes
	Auto Power Off (Auto TV On)	Yes
	Auto Volume Leveller	Yes
	Caption(Subtitle)	Yes
	Clock & On/Off Timer	Yes
	Picture-In-Picture	1 Tuner PIP
	Sleep Timer	Yes
Input & Output	RF In (Terrestrial/Cable input)	1
	RJ12 For External Control	1
	RJ45	Yes
	HDMI (Side/Rear)	1/2
	USB (Side/Rear)	1/1
	Component In(Y/Pb/Pr) (Side/Rear)	0/1
	Composite In(AV) (Side/Rear)	0/1 (Common Use for Component Y)
	Headphone	1
	Headphone_ID	1
	Digital Audio Out(Optical)	1
	Variable Audio Out	1
	VOL-CTRL	1
	RJP jack (Remote Jack Pack)	1
	PC In (D-sub)	1
	PC Audio In (Mini Jack)	1
	DVI Audio In (Mini Jack)	1 (Common Use for PC Audio in)
Hospitality Feature	Smart Widget Solution	Yes
	Web Browser	Yes
	Hospitality Plug & Play (Easy Setup)	Yes
	RJ12 / IR pass through	Yes
	Music Mode (Input: PC/AV/Component)	Yes
	Power On Status Setting (Keycard/Master Power off)	Yes
	Jack Pack Compatiblity	Yes
	USB Cloning	Yes
	Bathroom Speaker output	Yes
	Hotel Channel List	Yes
	Logo Display with Time out Setting (BMP/Movie)	Yes
	Welcome Message	Yes
	Auto Source mode	Yes
	Multi Code Remote	Yes
	Screwed Remote Battery Cover	Yes
	Alarm Key	Yes
	Soundbar Compatibility	Yes
Design	Slim Type	Slim
	Swivel (Left/Right)	20/60/90
Dimension	Weight (Set) With Stand (Kg)	46": 16.1 / 40": 10.3 / 32": 8.2
	Weight (Set) Without Stand (Kg)	46": 13.2 / 40": 10.3 / 32": 6.2
	Dimensions (WxHxD)mm With Stand	46": 1062.8x684.8x227.7 / 40": 927.4x608.4x227.7 / 32": 740.2x502.7x191.7
	Dimensions (WxHxD)mm Without Stand	46": 1062.8x631.1x46.9 / 40": 927.4x554.7x46.9 / 32": 740.2x449.3x46.9
VESA	Dimensions (mm)	46": 400x400 / 40": 200x200 / 32": 200x200
	Screw Size	M8
Accessory	Remote Control	TM1050
	Batteries(for Remote Control)	Yes
	RJ 12 Cable	Yes
	Power Cable	Yes
	Installation manual (Quick guide)	Yes
System	DTV Reception	Ready
	Analog Tuner	Yes
Power	Power Supply	AC100-240V 50/60Hz
	Power Consumption (Rated) (Watts)	46": 100W / 40": 99W / 32": 78W
	Power Consumption (Stand-by) (Watts)	Under 0.5W
	Power Consumption (Typical)	46": 55W / 40": 65W / 32": 40W
Energy Saving Mode Power Consumption (Watts)	High	46": 25W / 40": 25W / 32": 19W
	Medium	46": 33W / 40": 33W / 32": 25W
	Low	46": 43W / 40": 41W / 32": 29W
Security	Kensington Lock	Yes

* Please visit the website to verify detail specifications

Interfaces / Dimension

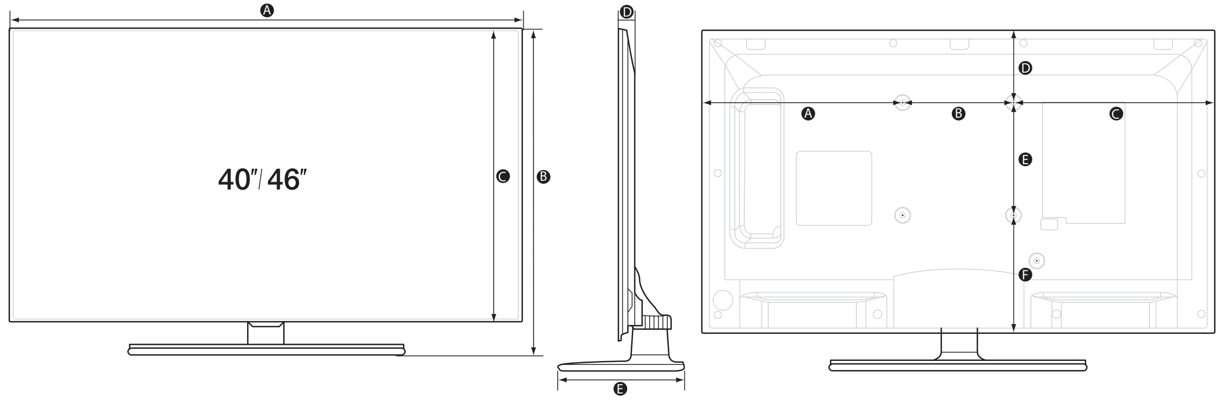
HA690 46" / 40" (Taiwan)



Connectors

1. HDMI IN 3
2. USB
3. HDMI IN - 2(ARC)/1(DVI)
4. USB
5. PC/DVI AUDIO IN
5. PC/DVI AUDIO IN
6. RJ45(LAN)
7. RJP
8. DIGITAL AUDIO OUT(OPTICAL)
9. RJ12
10. PC IN
11. VARIABLE AUDIO OUT
12. VARIABLE AUDIO OUT VOLUME CONTROL
13. HEADPHONE ID
14. CONPONENT / AV IN
15. HEADPHONE OUT
16. ANT2 IN(CABLE)
17. ANT1 IN(AIR)

- Smart Hub / Smart Widget solution compatibility
- Soft AP
- AllShare (DLNA)
- Slim LED
- REACH : USB cloning only
- Built-in Wi-fi
- Swivel stand 20°/60°/90°
- Multi-code remote control
- Soundbar compatibility



A | 40"(927.4mm) 46"(1062.8mm)
B | 40"(608.4mm) 46"(503.2mm)
C | 40"(554.7mm) 46"(449.3mm)

D | 40"(46.9mm) 46"(46.9mm)
E | 40"(227.7mm) 46"(227.7mm)

A | 40"(363.7mm) 46"(331.4mm)
B | 40"(200mm) 46"(400mm)
C | 40"(363.7mm) 46"(331.4mm)
D | 40"(130.1mm) 46"(97.5mm)
E | 40"(200mm) 46"(400mm)
F | 40"(224.6mm) 46"(133.6mm)

Specification

Model		HA690
Video	Screen Size	46" / 40"
	HD/FHD	FHD
	Resolution	1920 x 1080
	Response Time	5.5ms
	Viewing angle (H/V)	178/178
	Backlight	LED
	Brightness	46": 330cd/m2 / 40": 350cd/m2
	Picture Engine	HyperReal Engine
Audio	Output	10W x 2
	Dolby	Dolby Digital Plus / Dolby Pulse
	Surround(SRS)	SRS TheaterSound HD
	Bathroom Speaker Out	4W Mono
Feature	Samsung SMART TV	Yes
	Allshare(Powered by DLNA)	Yes
	Soft AP	Yes
	Wireless LAN Builit-in	Yes
	Digital Noise Filter	Yes
	ConnectShare™ (USB2.0)	Movie
	Anynet+ (HDMI-CEC)	Yes
	Auto Channel Search	Yes
	Auto Power Off (Auto TV On)	Yes
	Auto Volume Leveller	Yes
	Caption(Subtitle)	Yes
	Clock & On/Off Timer	Yes
	Picture-In-Picture	1 Tuner PIP
	Sleep Timer	Yes
Input & Output	RF In (Terrestrial/Cable input)	2
	RJ12 For External Control	Yes
	RJ45	Yes
	HDMI (Side/Rear)	1/2
	USB (Side/Rear)	1/1
	Component In(Y/Pb/Pr) (Side/Rear)	0/1
	Composite In(AV) (Side/Rear)	0/1 (Common Use for Component Y)
	Ethernet(LAN)	1
	Headphone	1
	Headphone_ID	1
	Digital Audio Out(Optical)	1
	Variable Audio Out	Yes
	VOL-CTRL	Yes
	RJP jack (Remote Jack Pack)	Yes
	PC In (D-sub)	1
	PC Audio In (Mini Jack)	1
	DVI Audio In (Mini Jack)	1 (Common Use for PC Audio in)
Hospitality Feature	Smart Widget Solution	Yes
	Web Browser	Yes
	REACH	Yes(USB Cloning)
	Hospitality Plug & Play (Easy Setup)	Yes
	RJ12 / IR pass through	Yes
	Music Mode (Input: PC/AV/Component)	Yes
	Power On Status Setting (Keycard/Master Power off)	Yes
	Jack Pack Compatiblity	Yes
	USB Cloning	Yes
	Bathroom Speaker output	Yes
	Hotel Channel List	Yes
	Logo Display with Time out Setting (BMP/Movie)	Yes
	Welcome Message	Yes
	Auto Source mode	Yes
	Energy Saving Mode(BLU control)	Yes
	Multi Code Remote	Yes
	Screwed Remote Battery Cover	Yes
	Alarm Key	Yes
	Mixed channel list(DVB T/C, Analog)	Yes
	Soundbar Compatibility	Yes
Design	Slim Type	Slim
	Swivel (Left/Right)	20/60/90
Dimension	Weight (Set) With Stand (Kg)	46": 16.1 / 40": 13.2
	Weight (Set) Without Stand (Kg)	46": 13.18 / 40": 10.34
	Dimensions (WxHxD)mm With Stand	46" : 1062.8x684.8x227.7 / 40" : 927.4x608.4x227.7
	Dimensions (WxHxD)mm Without Stand	46" : 1062.8x631.1x46.9 / 40" : 927.4x554.7x46.9
VESA	Dimensions (mm)	46" : 400x400 / 40" : 200x200
	Screw Size	M8
Accessory	Remote Control	TM1050
	Batteries(for Remote Control)	Yes
	RJ 12 Cable	Yes
	Power Cable	Yes
	Data Cable	Yes
	Installation manual (Quick guide)	Yes
System	DTV Reception	DVB-T
	Analog Tuner	Yes
Power	Power Supply	AC100-240V 50/60Hz
	Power Consumption (Rated) (Watts)	46": 98W / 40": 92W
	Power Consumption (Stand-by) (Watts)	Under 0.5W
	Power Consumption (Typical)	46": 61W / 40": 57W
Energy Saving Mode Power Consumption (Watts)	High	46": 25W / 40": 23W
	Medium	46": 32W / 40": 31W
	Low	46": 39W / 40": 37W
Security	Kensington Lock	Yes

* Please visit the website to verify detail specifications